Approved For Release 2004/93/15 : CIA-RDP78B04747A000300020015-1	25X1
6 October 1971	25X1
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MEMORANDUM FOR: Chief, Technical Services Group, NPIC	
ATTENTION : Chief, Technical Operations Staff, TSG/NPIC	
SUBJECT: RED Monthly Report (September 1971)	
Significant Items of Interest for September 1971:	
1. Image Comparison Microscope This prototype instrument, which was delivered to NPIC in August, has developed defects which delayed the T&E and the operational veloped defects which delayed the T&E and the operational evaluation. The defects are a focusing problem on one of the stages and a decentering of the image during zoom magnification. Is currently attempting to engineer corrections.	25X1A 25X1A
2. CRT Image Quality Study The subjective test plan submitted to NPIC for approval 1s being revised and should be completed shortly. Most of the CRT test equipment has been ordered from the vendors and is awaiting delivery.	25X1A
3. Target Indexing Device Many successful test runs were performed and the equipment should be accepted by early October. Average accuracy is running about in the target index mode and about on the general screening mode.	25X1A 25X1 25X1
4. High Precision Stereo Comparator (HPSC) - The temperature and humidity of the clean room housing the HPSC were stabilized on the last day of August. performed the final alignment and adjustment of the HPSC during September. After many delays, the final acceptance tests for this instrument are scheduled to start the last week of September.	25X1A
5. Calibration Device for the HPSC - A calibration device to check the accuracy of the High Precision Stereo Comparator (HPSC) was developed delivered to NPIC for test and evaluation.	25X1A
6. The first set of data for the Color Discrimination Standards Task was provided to the contractor during an inspection visit.	25X1A
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The final photography from the Calibrated Color Imagery Study was viewed by the technical monitor. Due to film stability problems, an overall green cast is present on some of the photography; another set of photography, however, is satisfactory.	
8. In-House Research - The Munsell Book of Color is being photographed for the purpose of specifying the fidelity and discrimination ability of this film.	
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a. A request for a two-month time extension (at no additional cost) has been received by ATB. The additional cost) would extend the termination proposed extension would extend the termination date of the contract to 31 January 1972. Action will be taken on this request in the near future.	
25X1A b. Project Engineer of the on 21-24 September on 25X1A Contract, visited conduct experiments on to participate in and conduct on 20 September on 20 September	25X1A 25X1A
also stopped	25X1A 25X1D
a. Dry Silver Implementation Study b. Split-Field Microscope c. Programmed Search Modification for the PI Search g Scan Station g Scan Station g Scan Station	Harris Villagoria
d. 15% Eyepleces and on on Microscope Microscope e. Self-Radiating Screen Viewers Study f. Positive-Acting Dry Silver Material	25X1
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25)	X1 2	25X1
25)	oration system in ATB was activated to lay down silver- deposited films. This initiates efforts to establish an in-house capability for using the	25X1A
25)	X1A 12. Imagery Interpretation Research Program, FY-72 The request for a follow-on FY-72 IIRP was approved by Headquarters. The program is scheduled for the Contract Review Board in early October. Negotiations are tentatively scheduled for the week of 11 October 1971.	
25)	X1A 13. assisted X1A Center personnel in the development of a planned	25X1A
25)	fortone evaluation of line scan displays	25X1A
	consulted with Center sonnel on the human factors of optical instrument design and evaluation.	25X1A
25)	14. Training Needs Associated with Color Photography The Center received and is currently evaluating one in a series of final reports related to the interpretation of color photography. "A Recommended Color Vocabulary for Color Aerial Reconnaissance" evaluates within the framework of photointerpretation the numerous options for describing color. On the basis of the evaluation recommends an increasingly precise three-level vocabulary which, in its entirety, should satisfy the color description requirements of all Center components.	25X1A
	X1A X1A 15. Traffic Format - HFS/ATB personnel responded to a request from DD/OCI with a plan for the evaluation of the new format for computer-printed cable traffic being received by OCI analysts. 16. HFS/ATB personnel participated in the evaluation of a draft Status Report on Color Imagery prepared for	
	17. A Pattern Recognition Symposium was held on 23 September at NPIC. It was attended by representatives from several components of the Agency.	25X1
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	Meetings, Briefings, etc.:	
a.	Three visitors	
	were briefed on various exploratory projects as follows: density contour-	
	false color reproduction on density contour film: edge enhancement/tonal manipulation	25X1A
	by the Sabattier Effect; contrast emancement using] 25X1 <i>A</i>
	dry color reproduction system; photoscience in socurity; and high magnification (2600x) viewing	-
The special state of the second	of surface relief image with a scanning electron microscope. They were also briefed on the Center's	
25744	overall human factors research program by Dr.	
25X1A 25X1A	In addition, they were briefed by Mr.	
25X1A	The visitors expressed keen interest in all these projects.	
b. [RED sponsored a two-day visit to NPIC of a	25X1A
	demonstrations of dry silver photo reproduction materials and equipment.	
c.	RED sponsored two briefings on a Fiche (photographic cut	25X1A
25X1A	chip) System for operational imagery.	
19.	Training:	
25X1A a.	began attending a course in Remote Sensing at the U. S. Department of Agriculture Graduate School.	
25X1A b.	attended	25X1A
	selected sessions of the American Chemical Society 162nd National Meeting, which was held in Washingto One interesting development was the first symposium One interesting development was the first symposium	 ·
	on the Chemistry of Vision. Its purpose was so	
	in this areagiven sufficient interest. The sessions on pollution control resulted in a memo	:
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25X1A	c. Inte	lligence and	World Affair	ended the Agers Course.	•	
	d. A st with for	atus report of Color Photog presentation tober 1971.	n Training l raphy was p to the Colo	Needs Associa repared by HI r Task Force	ted FS/ATB on	-
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